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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/588,109	07/31/2006	Eiji Okada	2006_1058A	3706
52349 7590 12/15/2008 WENDEROTH, LIND & PONACK L.L.P.			EXAMINER	
2033 K. STREET, NW SUITE 800 WASHINGTON, DC 20006			NGUYEN, DUC M	
			ART UNIT	PAPER NUMBER
			2618	
				-
			MAIL DATE	DELIVERY MODE
			12/15/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/588,109 OKADA ET AL. Office Action Summary Examiner Art Unit DUC M. NGUYEN 2618 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-11 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) 8 and 9 is/are allowed. 6) Claim(s) 1 and 10 is/are rejected. 7) Claim(s) 2-7 and 11 is/are objected to. 8) Claim(s) ____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) ☐ The drawing(s) filed on is/are; a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s)

1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)
Paper Not): Notice of Draftsperson's Patient Drawing Review (PTO-948) 19 Paper Not): Notice of Draftsperson's Patient Drawing Review (PTO-948) 19 Notice of Draftsperson's Patient Drawing Review (PTO-948) 19 Notice of Draftsperson's Paper Not): Notice of Interview Summary (PTO-413)
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Application/Control Number: 10/588,109 Page 2

Art Unit: 2618

DETAILED ACTION

Information Disclosure Statement

 The references listed in the information disclosure statements submitted on 7/31/06 has been considered by the examiner (see attached PTO-1449).

Drawings

2. Figure 9 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abevance.

Claim Rejections - 35 USC 103

- The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having

Application/Control Number: 10/588.109

Art Unit: 2618

ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

 Claims 1, 10 are rejected under 35 U.S.C. 103(a) as being unpatentable by Oh (US 6.400.932).

Regarding claims 1, 10, Oh discloses a receiver comprising:

a filter that sends out an output signal having a symbol at an arbitrary time interval (see Figs. 1-2 regarding output Vo and Vob and col. 2. line 40-48); and

an intermittent operation part that controls the filter intermittently at the time interval, according to the output signal supplied from the filter (see Figs. 1-2 and col. 4, line 55 – col. 5, line 20 and col. 6, lines 15-24).

Here, although Oh is silent with symbols for the signal, it is noted that when incorporating the filter in Oh to an OFDM receiver, the output signal of the filter in Oh would obviously comprise symbols with arbitrary time intervals in the similar way as disclosed by Nakao (see Figs. 2-6 and [0056, 0057] regarding symbols and guard time intervals). By doing so, it is clear that the intermittent operation part that controls the filter in Oh would occur intermittently at time intervals in the similar way for intermittently controlling the gain of the AGC amplifier as disclosed by Nakao (see [0068]). Also note that the AGC circuit 16 is also a variable-gain type digital filter (see Nakao, [0045]) and would read on a filter with the broadest reasonable interpretation.

Therefore, the claimed limitations are made obvious by Oh and Nakao.

Application/Control Number: 10/588,109 Page 4

Art Unit: 2618

Allowable Subject Matter

Claims 8-9 are allowed.

Claims 2-7,11 are objected to as being dependent upon a rejected base claim,
 but would be allowable if rewritten in independent form including all of the limitations of

the base claim and any intervening claims.

Conclusion

 The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

See the attached PTO-892.

8. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(571) 273-8300 (for formal communications intended for entry)

(571)-273-7893 (for informal or draft communications).

Hand-delivered responses should be brought to Customer Service Window,

Randolph Building, 401 Dulany Street, Alexandria, VA 22314.

Application/Control Number: 10/588,109 Page 5

Art Unit: 2618

Any inquiry concerning this communication or communications from the examiner should be directed to Duc M. Nguyen whose telephone number is (571) 272-7893,

Monday-Thursday (9:00 AM - 5:00 PM).

Or to Nay Maung (Supervisor) whose telephone number is (571) 272-7882.

/Duc M. Nguyen/

Primary Examiner, Art Unit 2618

Dec 12, 2008